

Title (en)
Chisels

Title (de)
Meissel

Title (fr)
Ciseaux

Publication
EP 2502708 A1 20120926 (EN)

Application
EP 12159908 A 20120316

Priority
US 201161466228 P 20110322

Abstract (en)
A point chisel (1) includes a substantially circular cross-section shank (3) having a longitudinal axis (5) and including a tapered working end region (7) in which the shank (3) tapers to a working point (9), the tapered working end region (7) comprising at least three converging substantially planar ribbed surfaces (11), each of which includes an elongate rib (13) protruding therefrom and extending along at least part of the length thereof, wherein adjacent ribbed surfaces (11) meet each other along at least part of their length at a substantially straight edge region (15) situated between adjacent elongate ribs (13).

IPC 8 full level
B25D 17/02 (2006.01)

CPC (source: CN EP US)
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Citation (search report)
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• [A] JP 4318231 B1 20090819
• [A] JP 2004175091 A 20040624 - SHIMIZU SEISAKUSHO KK

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WO2020187918A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 2502708 A1 20120926; **EP 2502708 B1 20170201**; CN 102689365 A 20120926; CN 102689365 B 20150826; CN 104440794 A 20150325; CN 104742257 A 20150701; CN 104742257 B 20170714; EP 2502709 A1 20120926; EP 2502709 B1 20170201; EP 2502710 A1 20120926; EP 2502710 B1 20200422; US 2012301238 A1 20121129; US 2015096548 A1 20150409; US 9085074 B2 20150721; US 9333635 B2 20160510

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EP 12159908 A 20120316; CN 201210077859 A 20120322; CN 201410641893 A 20120322; CN 201510109942 A 20120322; EP 12159909 A 20120316; EP 12159910 A 20120316; US 201213425751 A 20120321; US 201414566867 A 20141211